

PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : E. Jennings Taylor
Serial No. : 09/975,974
Filed : 10/15/2001
Title : ELECTRODEPOSITION OF METALS IN HIGH-ASPECT RATIO
CAVITIES USING MODULATED REVERSE ELECTRIC FIELDS
Docket : 461987-007
Art Unit : 1753

RECEIVED
FEB 25 2003
TC 1700

5/W.M.
2/28/03

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

POWER OF ATTORNEY AND REVOCATION OF PRIOR POWERS

Faraday Technology Marketing Group, LLC is the Assignee of the above-identified application by Assignment from Faraday Technology, Inc. executed November 4, 2002 and filed with the U.S. Patent and Trademark Office on November 18, 2002 but not yet recorded (copy attached). As assignee, Faraday Technology Marketing Group, LLC hereby revokes all powers of attorney previously given and hereby appoints:

| | |
|-----------------------|-----------------|
| Mark P. Levy | Reg. No. 27,922 |
| Theodore D. Lienesch | Reg. No. 28,235 |
| Rose Ann Dabek | Reg. No. 28,064 |
| James R. Eley | Reg. No. 36,790 |
| Steven J. Elleman | Reg. No. 41,733 |
| Douglas E. Erickson | Reg. No. 29,530 |
| Michael A. Forhan | Reg. No. 46,705 |
| John F. Kane | Reg. No. 44,815 |
| Jeffrey C. Metzcar | Reg. No. 52,027 |
| John M. Mueller | Reg. No. 44,248 |
| Michael J. Nieberding | Reg. No. 39,316 |
| Rodney M. Young | Reg. No. 40,882 |

my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence and telephone calls to:

Mark P. Levy
Thompson Hine LLP
2000 Courthouse Plaza NE

10 West Second Street
Dayton, Ohio 45402-1758
Telephone: (937) 443-6949
Facsimile: (937) 443-6635

CERTIFICATE UNDER 37 CFR 3.73 (b)

Faraday Technology Marketing Group, LLC certifies that it is the assignee of the entire right, title and interest in U.S. Application No. 09/975,974 and all divisions and continuations thereof, by virtue of a chain of title from the inventor(s) of U.S. Application No. 09/975,974 to the current assignee as shown below:

1) Assignment from the inventors to Faraday Technology, Inc., recorded at Reel 012385 / Frame 0071; and

2) Assignment from Faraday Technology, Inc. to Faraday Technology Marketing Group, LLC, executed on November 4, 2002 and filed with the U.S. Patent and Trademark Office on November 18, 2002, but not yet recorded (copy attached hereto).

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

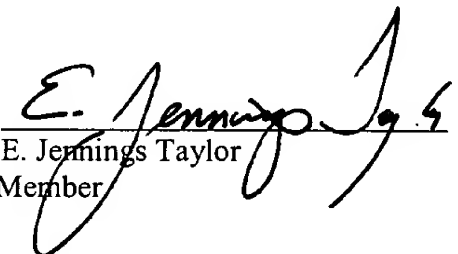
The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FARADAY TECHNOLOGY MARKETING
GROUP, LLC

Date: 13 Feb 2003

By:


E. Jennings Taylor
Member

Practitioner's Docket Number . 28850-00032 (10501)

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
 ☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: ☐ Inventor(s) or ☒ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor(s) or person(s) or
entity(ies) who own the
invention

Faraday Technology, Inc.

(type or print name(s) of ASSIGNOR(S))

315 Huls Drive

Address

Clayton, Ohio 45315,

a corporation of the

State of Ohio

Nationality

*(if assignment is by person or entity to whom invention was previously assigned
and this was recorded in PTO, add the following)*

Recorded on Dec. 20, 2001

Reel 012385

Frame 0071

hereby sells, assigns and transfers to

ASSIGNEE:

Faraday Technology Marketing Group, LLC

(type or print name(s) of ASSIGNEE(S))

1841 Laurel Creek Drive

Address

Troy, OH 45373,

a limited liability corporation of the

State of Ohio

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- ☒ the entire right, title and interest
☐ an undivided _____ percent (_____%) interest
for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- ☒ and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:

ELECTRODEPOSITION OF METALS IN HIGH-ASPECT RATIO CAVITIES USING
MODULATED REVERSE ELECTRIC FIELDS

Name of inventor(s) E. Jennings Taylor and Jenny J. Sun

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in (37 C.F.R. § 3.21)

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention.

☐ Express mail label no.: _____

Mailed: _____

- ☒ To comply with 37 C.F.R. § 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) ☒ U.S. application no. 09 / 975,974
filed on Oct. 15, 2001

(e) ☐ International application no. PCT/ _____ / _____

(f) ☐ U.S. patent no. _____ issued _____

- ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 4th day
of November, 2002
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Date:

E. Jennings Taylor
Signature of ASSIGNOR(s)

Date:

Date:

Date:

(If ASSIGNOR is a legal entity, complete the following information)

E. Jennings Taylor

*(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)*

President

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.

☐ Notarization or Legalization Page Added.

(Assignment of Invention [16-3]—page 3 of 3)

Practitioner's Docket No. 28850-00032 (10501)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: E. Jennings Taylor et al.
Application No.: 09 / 975,974 Group No.: 1741
Filed: October 15, 2001
For: ELECTRODEPOSITION OF METALS IN Examiner:
HIGH-ASPECT RATIO CAVITIES USING
MODULATED REVERSE ELECTRIC
FIELDS

Assistant Commissioner for Patents
Washington, D.C. 20231

**STATEMENT UNDER 37 C.F.R. § 3.73(b)—
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*
*(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☐ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231
37 C.F.R. § 1.8(a) 37 C.F.R. § 1.10*
- ☐ with sufficient postage as first class mail. ☐ as "Express Mail Post Office to Addressee"
Mailing Label No. _____ (mandatory)

TRANSMISSION

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Signature

Date: _____

(type or print name of person certifying)

***WARNING:** Each paper or fee filed by Express Mail must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).
Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition. Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

NOTE: 37 CFR 3.73(b) states: "When an assignee seeks to take action in a matter before the Office with respect to a patent application, . . . , patent, registration, or reexamination proceeding, the assignee must establish its ownership of the property to the satisfaction of the Commissioner. Ownership is established by submitting to the Office, in the Office file related to the matter in which action is sought to be taken, documentary evidence of a chain of title from the original owner to the assignee (e.g., copy of an executed assignment submitted for recording) or by specifying (e.g., reel and frame number) where such evidence is recorded in the Office. The submission establishing ownership must be signed by a party authorized to act on behalf of the assignee. Documents submitted to establish ownership may be required to be recorded as a condition to permitting the assignee to take action in a matter pending before the Office."

NOTE: "Section 3.73(b) is amended to remove the sentence requiring an assignee to specifically state that the evidentiary documents have been reviewed and to certify that title is in the assignee seeking to take action. The sentence is deemed to be unnecessary in view of the amendment to §§ 1.4(d) and 10.18." Notice of Oct. 10, 1997, 62 Fed. Reg. 53,131, at 53,174.

1. The assignee(s) of the entire right, title and interest hereby seek(s) to take action in the PTO in this matter.

IDENTIFICATION OF ASSIGNEE

2. Faraday Technology, Inc.
Name of assignee
Corporation
Type of assignee, e.g., corporation, partnership, university, government agency, etc.

PERSON AUTHORIZED TO SIGN

3. E. Jennings Taylor
(type name of person authorized to sign on behalf of assignee)
President
Title of person authorized to sign

NOTE: The Notice of April 30, 1993 (1150 O.G. 62-64) points out:

"The statement under 37 CFR 3.73(b) may be signed on behalf of the assignee in the following two manners if the assignee is an organization (e.g., corporation, partnership, university, government agency, etc.):

"(1) The statement may be signed by a person in the organization having apparent authority to sign on behalf of the organization. An officer (president, vice-president, secretary, or treasurer) is presumed to have authority to sign on behalf of the organization. The signature of the chairman of the board of directors is acceptable, but not the signature of an individual director. A person having a title (manager, director, administrator, general counsel) that does not clearly set forth that person as an officer of the assignee is not presumed to be an officer of the assignee or to have authority to sign the statement on behalf of the assignee. A power of attorney from the inventors in an organization to a practitioner to prosecute a patent application does not make the practitioner an official of an assignee or empower the practitioner to sign the statement on behalf of the assignee.

"(2) The statement may be signed by any person, if the statement includes an averment that the person is empowered to sign the statement on behalf of the assignee and, if not signed by a registered practitioner, the statement must be in oath or declaration form. Where a statement does not include such an averment, and the person signing does not hold a position in the organization that would give rise to a presumption that the person is empowered to sign the statement on behalf of the assignee, evidence of the person's authority to sign will be required."

[Author's Note: The requirement for an oath or declaration for this statement by a person not a registered practitioner was rescinded by the rules effective December 1, 1997.]

(complete the following, if applicable)

- ☒ I, the person signing below, state that I am empowered to sign this statement on behalf of the assignee.

BASIS OF ASSIGNEE'S INTEREST

Ownership by the assignee is established as follows:

A.

1. ☒ An assignment from the inventor(s) of the matter identified above, which was recorded in the PTO at
Reel 012385, Frame 0071
2. ☐ An assignment (document) separately being submitted for recordal herewith.

AND/OR

- B. ☐ A chain of title from the inventor(s) to the current assignee as shown below:

1. From: _____
Name of inventor(s)
To: _____
Recorded in PTO: Reel _____, Frame _____
2. From: _____
Name of inventor(s) or assignee
To: _____
Recorded in PTO: Reel _____, Frame _____
3. From: _____
Name of inventor(s) or assignee
To: _____
Recorded in PTO: Reel _____, Frame _____

(check item below, and add details, if applicable)

- ☐ Additional documents in the chain of title are listed in the attached Supplemental Sheet.

COPIES OF DOCUMENTS IN CHAIN OF TITLE

(complete this item, if copies are being sent)

- ☐ Copies of the assignment(s) or other document(s) in the chain of title are attached as follows:

| | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> A | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | |
| <input type="checkbox"/> B | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 |

Date: Nov. 4, 2002

E. Jennings Taylor
(Signature of authorized person)
E. Jennings Taylor
(type or print name of authorized person)
President
Title of authorized person

Reg. No.:

SIGNATURE OF PRACTITIONER

Tel. No.: ()

(type or print name of practitioner)

Date: _____

P.O. Address

Customer No.:

NOTE: 37 CFR 3.73(b) states: "When an assignee seeks to take action in a matter before the Office with respect to a patent application, . . . , patent, registration, or reexamination proceeding, the assignee must establish its ownership of the property to the satisfaction of the Commissioner. Ownership is established by submitting to the Office, in the Office file related to the matter in which action is sought to be taken, documentary evidence of a chain of title from the original owner to the assignee (e.g., copy of an executed assignment submitted for recording) or by specifying (e.g., reel and frame number) where such evidence is recorded in the Office. The submission establishing ownership must be signed by a party authorized to act on behalf of the assignee. Documents submitted to establish ownership may be required to be recorded as a condition to permitting the assignee to take action in a matter pending before the Office."

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2. ☐ An assignment (document) separately being submitted for recordal herewith.

AND/OR

- B. ☐ A chain of title from the inventor(s) to the current assignee as shown below:

1. From: _____
Name of inventor(s)

To: _____

Recorded in PTO: Reel _____, Frame _____

2. From: _____
Name of inventor(s) or assignee

To: _____

Recorded in PTO: Reel _____, Frame _____

3. From: _____
Name of inventor(s) or assignee

To: _____

Recorded in PTO: Reel _____, Frame _____

(check item below, and add details, if applicable)

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(complete this item, if copies are being sent)

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|----------------------------|----------------------------|----------------------------|----------------------------|
| <input type="checkbox"/> A | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | |
| <input type="checkbox"/> B | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 |

Date: Nov. 4, 2002

E. Jennings Taylor
(Signature of authorized person)
E. Jennings Taylor
(type or print name of authorized person)
President
Title of authorized person

Reg. No.:

SIGNATURE OF PRACTITIONER

Tel. No.: ()

(type or print name of practitioner)

Date: _____

P.O. Address

Customer No.: